

# GPA18 / GPA45 SERIES

AC / DC Single Output: 18 ~45 Watts



## Features

- Universal input 90 ~ 264VAC
- Energy Star Lev VI
- Industry standard 2pin IEC320 input plug
- Wide range of output connector options
- Fully isolated input – output
- Overload and short circuit protection
- Suitable for a wide range of applications
- Specials output voltage on request
- MTBF 100k hrs



## General Specifications

<b>Input Voltage</b>	90 ~ 264VAC
<b>Input Frequency</b>	47 ~ 63Hz
<b>Input Current</b>	Typically 0.4A @ 115vac (GPA181A) Typically 1.0A @ 115vac (GPA451A)
<b>Efficiency</b>	Typically 88%
<b>Leakage Current</b>	0.25mA at 230Vac 60Hz
<b>Output Power</b>	18 - 45 watts
<b>No Load Power</b>	<0.3W
<b>Output Voltage</b>	12 ~ 24VDC
<b>Turn On Delay</b>	Typically 3s
<b>Voltage Range</b>	Fixed
<b>Hold Up time</b>	Typically 10ms
<b>Load Regulation</b>	± 5%
<b>Line Regulation</b>	± 1%
<b>Ripple &amp; Noise</b>	Typically 1% pk -pk 5V 150mV, 12 -15V 300mV
<b>Insulation</b>	2pin Class II
<b>Isolation</b>	Input-Output: 3000VAC
<b>Safety</b>	EN60950 -1, AS/NZS 60950
<b>EMC</b>	Emission: EN55022 B
<b>Immunity</b>	EN610006 -3, -4
<b>Operating Temp.</b>	-0°C to +40°C.
<b>Humidity</b>	10 ~ 90% non -condensing
<b>Vibration &amp; Shock</b>	2G at variable frequency of 10 -55Hz
<b>Overload Protection</b>	Overload & short circuit protection with auto recovery.
<b>Over temperature Protection</b>	Will latch off in event of high operating temperature.
<b>Connectors</b>	Input via IEC320 -C8 Output 2.1m two core & barrel plug Cable length 1.2m
<b>Dimensions</b>	GPA181A: 75 x 51 x 30 mm 130g GPA451A: 99 x 48 x 33mm 180g

## Description

Then **GPA18 and GPA45** series Desk Top power supplies, offer customers a low cost solution for a wide range of applications. It's designed for applications requiring up to 45 watts of output power from 5 ~ 24VDC voltage options.

Apart from the voltages illustrated in the tables below, we can offer models to customer specifications, minimum production orders may apply to some models

## Output Plug Options

<b>Blank</b>	2.1 x 5.5mm Straight barrel plug Centre +VE
<b>-01</b>	2.5 x 5.5mm Straight barrel plug Centre +VE
<b>-02</b>	Exchangeable Straight barrel plug
<b>-03 / -04</b>	2.1 x 55mm / 2.5 x 5.5mm Right Angle barrel plug

## Exchangeable Plugs

Using an exchangeable plug, allows you to convert a 2.1mm plug to 2.5mm or a 2.5mm plug into 2.1mm plug.  
Part No: P0644 converts 2.5mm to 2.1mm  
Part No: P0645 converts 2.1mm to 2.5mm



Model	Output		Power W
	V	A	
<b>GPA181A-050-300</b>	5V	3.0A	18W
<b>GPA181A-120-150</b>	12V	1.5A	
<b>GPA181A-150-120</b>	15V	1.2A	
<b>GPA181A-240-075</b>	24V	0.75A	45W
<b>GPA451A-120-380</b>	12V	3.8A	
<b>GPA451A-135-300</b>	13.5V	3.0A	
<b>GPA451A-150-300</b>	15V	3.0A	
<b>GPA451A-240-190</b>	24V	1.9A	

➤ Other output voltage options on request, contact our office.